

I strongly urge the FCC not to allow any further deployment of Broadband over Power Line (BPL) technology where use of frequency bands authorized for use in the Amateur Radio Service is involved. BPL is a direct threat causing widespread generation of electromagnetic interference.

Amateur Radio is a valuable resource that must be protected. My own personal use of Amateur Radio includes serving as a self-contained volunteer emergency communications capability for law enforcement, disaster relief, and other governmental agencies. I have HF and VHF transceivers which do not rely on commercial power to operate, along with portable antennas which can be deployed anywhere, anytime upon request of the government. I hold an FCC license to operate such equipment, along with thousands of similarly equipped citizens who provide an essential public service in emergency communications.

Aside from the public service aspect of Amateur Radio, I also enjoy it as a hobby, as I have done for over 30 years. This 100-year-old hobby is enjoyed by hundreds of thousands of people all over the world. Further deployment of BPL on Amateur Radio frequencies will eventually all but destroy the hobby due to high levels of interference. It is very distressing to read comments from the FCC commissioners praising BPL.

Amateur Radio already stands to be adversely affected by the current Part 15 limits on BPL. A severe potential for interference exists now, and further deployment of BPL would be disastrous. One has only to review the reports available on the internet of BPL-caused interference measurements in Japan, Great Britain, Holland, Germany, and other countries to get an idea of just how disastrous further deployment would be. These reports are graphic, and some contain video recordings of interference measurements. See the following URL:
<http://www.arrl.org/tis/info/HTML/plc/>

The main problem is that the BPL systems envisioned by the FCC are not point radiators. They will occupy entire communities and transmit over extremely broad frequency bands. Local interference mitigation would be impossible without turning off BPL for large sections of the community. Obviously, that solution would not be available to an amateur radio operator trying to get relief from the interference.

The FCC has promised to protect licensed users of the radio spectrum. It has a good track record of doing so. Many times, for instance, the FCC has come to the aid of amateurs who suffered interference from incidental radiators in power utility systems by forcing the utility operators to comply with the law and fix the problem. As an FCC-licensed amateur radio operator, I expect the FCC to continue to keep its promises and continue to protect our

amateur radio spectrum from further incursion of unlicensed activity.